

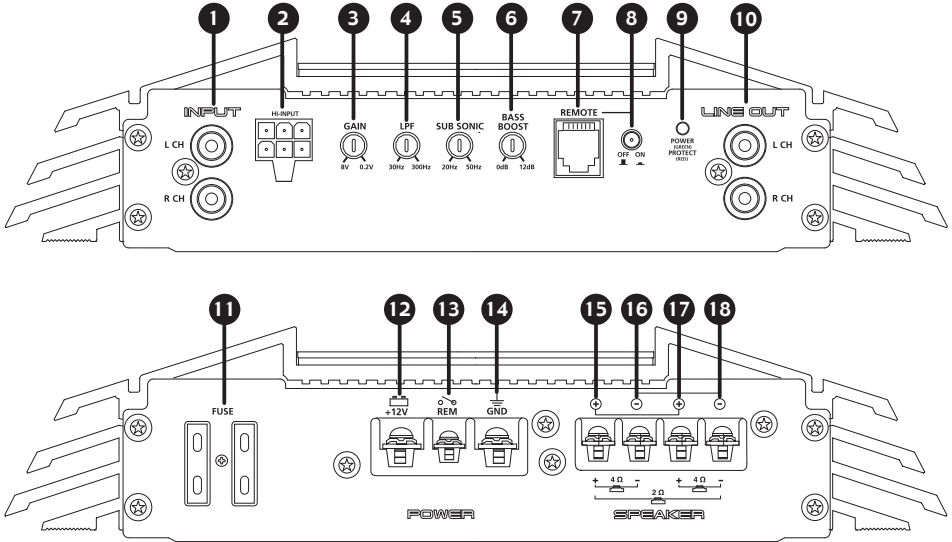
# MACROM



## M2A.1000

### Owner's Manual

## Front/Rear view



- 1** Low Level Input
- 2** High Level Input
- 3** Gain Control
- 4** Low pass cutting adjustment
- 5** Sub Sonic adjustment
- 6** Bass Boost adjustment
- 7** EBC (External Remote control)
- 8** EBC ON/OFF switch
- 9** Led indicator
- 10** Line Output
- 11** Fuses
- 12** 12V (DC) power terminal
- 13** Remote terminal
- 14** GND terminal
- 15** **17** + Terminal
- 16** **18** - Terminal

## Features

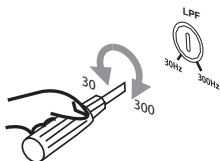
- **Class D mono channel power amplifier**
- **500 watts into 2 ohms load**
- **300 watts into 4 ohms load**
- **P-Mosfet on amplifier stage**
- **Variable Low pass x-over at 24dB/oct**
- **Variable Sub sonic filter from 20 to 50Hz at 24dB/oct**
- **Adjustable Bass Boost from 0 to +12dB at 45Hz**
- **EBC external bass control**
- **Pre-amplified Line output**
- **High level Input (booster In)**
- **Mos-Fet power supply**
- **Screws terminals connectors**

## Technical data

RMS Power at 4 ohm Stereo load at 14,4 volts	300 x 1 watts
RMS Power at 2 ohm Stereo load at 14,4 volts	500 x 1 watts
THD (total Harmonic Distortion)	< 0,1%
Frequency response (+0/-1 dB)	10 - 300Hz
Signal to noise ratio	> 95dB
Low Input sensitivity	200-8,000mV
High Input sensitivity	1/10V
Input impedance	22k/100ohm
Crossover type	Variable 24dB/octave
Crossover frequency (Low-pass)	30 to 600Hz
Sub sonic filter	20 to 50HZ at 24dB/octave
Bass Boost	0 to 12dB @ 40Hz
Line Out	1-1 (by pass)
EBC "Expernal Bass Control"	YES
Dimension (w * h * d) mm	244 x 54 x 280

## Crossover and Setting

### 4 Low pass cutting adjustment



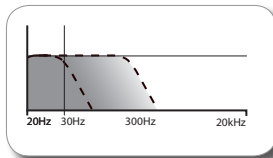
**(Eng)** The cut frequency is selectable between 30 to 300 Hz.

**(FR)** La fréquence de coupure passe bas est réglable de 30 à 300Hz.

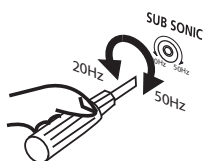
**(IT)** La frequenza di taglio è selezionabile fra 30 a 300 Hz.

**(D)** Filterfrequenz einstellbar von 30 bis 300 Hz.

**(SP)** La frecuencia del corte es seleccionable entre 30 a 300 hertzios.



### 5 Sub Sonic Filter adjustment



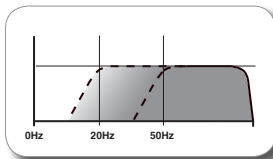
**(Eng)** Adjust the frequency of departure of the Subsonic filter from 20 to 50Hz in agreement to the connected loudspeaker.

**(FR)** Ajuster la fréquence de coupure du filtre subsonic de 20 à 50Hz en fonction du subwoofer connecté et de son type de charge.

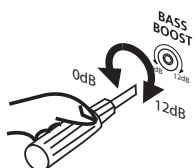
**(IT)** Regolare la frequenza di partenza del filtro Subsonic da 20 a 50Hz in accordo all'altoparlante connesso

**(D)** Stellen Sie die Frequenz des SUB-SONIC Filters zwischen 20-50Hz auf einen für die Lautsprecher geeigneten Wert ein.

**(SP)** Ajuste la frecuencia de la salida del filtro subsónico a partir del 20 a 50Hz en el acuerdo al altavoz conectado.



### 6 Bass Boost adjustment



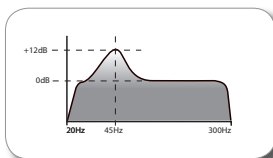
**(Eng)** It is possible to increase the range of the low frequency being regulated the level of Bass Boost from 0 to +12dB.

**(FR)** Il est possible d'égaliser le grave de 0 à +12dB à 45Hz.

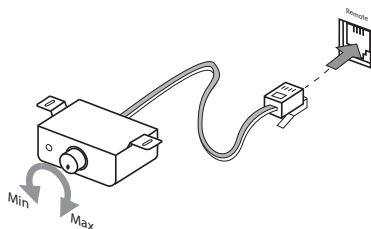
**(IT)** E' possibile incrementare la gamma dei bassi regolando il livello di Bass Boost da 0 a +12dB.

**(D)** Bassanhebung stufenlos von 0 - +12dB regelbar.

**(SP)** Es posible aumentar la gama de la frecuencia baja que es regulada el nivel del alza baja a partir de la 0 a +12dB..



### 7 EBC (External Bass Control)



**(Eng)** Through control Remote EBC, it is possible to control the level of the Volume of the amplifier. Placed control EBC in the front part of the vehicle.

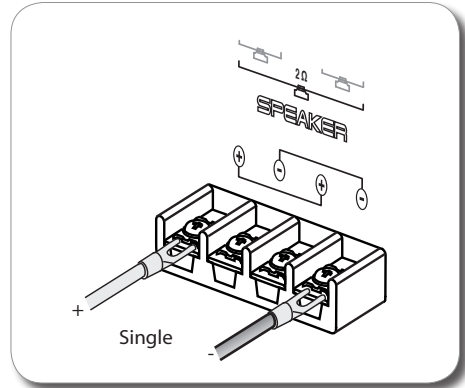
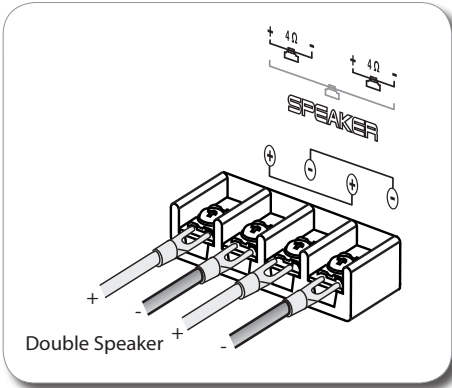
**(FR)** La commande à distance EBC permet de contrôler le niveau du subwoofer de l'avant du véhicule

**(IT)** Tramite il controllo Remote EBC, è possibile controllare il livello del Volume dell'amplificatore. Collocate il controllo EBC nella parte anteriore del veicolo.

**(D)** Mit der EBC-Fernbedienung ist es möglich die Lautstärke der Basslautsprecher zu regeln. Platzieren Sie die Fernbedienung leicht zugänglich.

**(SP)** Con el control EBC alejado, es posible controlar el nivel del volumen del amplificador. Control puesto EBC en la parte delantera del vehículo.

# Speakers connection



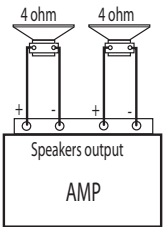
**(Eng)** Minimal acceptable Impedance 2 ohm. To adhere itself to the illustrations for the connections.

**(FR)** Impédance minimale 2 ohm. Suivre les illustrations pour les branchements.

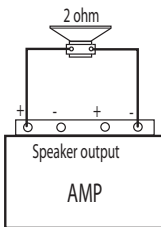
**(IT)** Minima Impedenza accettabile 2 ohm. Attenersi alle illustrazioni per i collegamenti

**(D)** Minimale Anschlußimpedanz 2 Ohm. Beachten Sie die Abbildungen für die Anschlüsse.

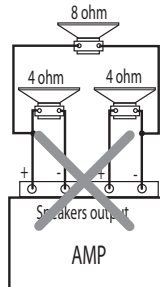
**(SP)** Impedancia aceptable mínima 2 ohmios. Para adherirse a las ilustraciones para las conexiones.



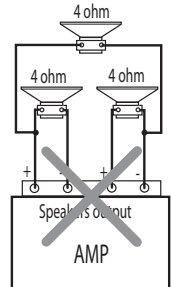
Two 4ohm  
speakers  
OK



One 2 ohm  
speaker  
OK

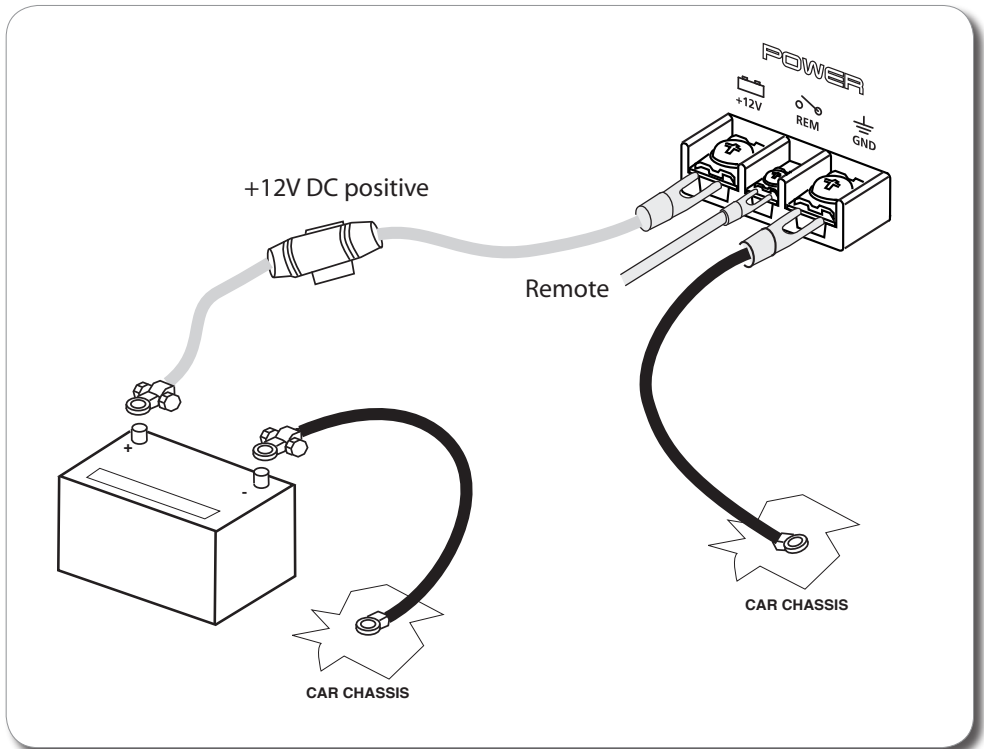


3 or more  
speakers  
NOT OK



3 or more  
4 ohm speakers  
NOT OK

## Power connection



**(Eng)** Connect the Positive (+12V) directly to the Battery of the car. To make sure itself to insert a fuse of adequate amperage in order protect the system. Connect the Ground in to the car chassis, close as possible to the amplifier.

**(FR)** Relier la borne +Battery de l'amplificateur directement à la borne +12V de la batterie du véhicule à l'aide d'un câble de section appropriée. Il est indispensable de placer un fusible à moins de 30 cm de la batterie.

Relier la borne -GND de l'amplificateur au châssis du véhicule à l'aide d'un câble de même section que l'alimentation et le plus court possible.

**(IT)** Collegare il Positivo (+12V) direttamente alla Batteria dell'auto. Assicurarsi di inserire un fusibile di adeguato amperaggio per proteggere il sistema. Collegare il Negativo al telaio dell'automobile, più vicino possibile all'amplificatore.

**(D)** Schließen Sie das Stromkabel (+12V, Rot) direkt an die Batterie ihres Fahrzeugs an.

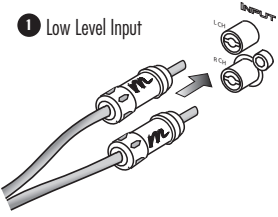
Um sich selbst und die Geräte zu schützen verwenden Sie entsprechend dimensionierte Kabel und eine dafür ausgelegte Sicherung. Diese sollte max. 20cm nach der Batterie verbaut werden. Verbinden Sie die Masseleitung (-, Schwarz) mit der Fahrzeugkarosserie. Achten Sie auch hierbei auf eine ausreichende Dimensionierung der Leitungen.

**(SP)** Conecte el positivo (+12V) directamente con la batería del coche. Para cerciorarse de sí mismo para insertar un fusible del amperaje adecuado en orden proteja el sistema.

Conecte la negativa adentro con el chasis del coche, cierre como sea posible al amplificador.

## Input setting

### 1 Low Level Input



**(Eng)** Connect the output Audio coming from the car radio, in to the Low level input of the amplifier.

**(FR)** Relier l'output Audio provenant de l'autoradio, au input Low level de l'amplificateur.

**(IT)** Relier per un câble RCA de bonne qualité les sorties RCA de l'autoradio aux entrées "Input" RCA de l'amplificateur.

**(D)** Verbinden Sie den Audioausgang (RCA) des Autoradios mit dem RCA Eingang des Verstärkers.

**(SP)** Para conectar venir audio de la salida de la radio de coche, entrar el nivel bajo del amplificador.

**(Eng)** Low level OR High level - **(FR)** Avec des RCA ou avec des câbles haut-parleur-

**(IT)** Basso livello O Alto livello -

**(D)** Niedriges Niveau ODER hohes Niveau. - **(SP)** Nivel bajo O alto nivel

**(Eng)** Connect the Loudspeakers output coming from the car radio, in to the High level input of the amplifier.

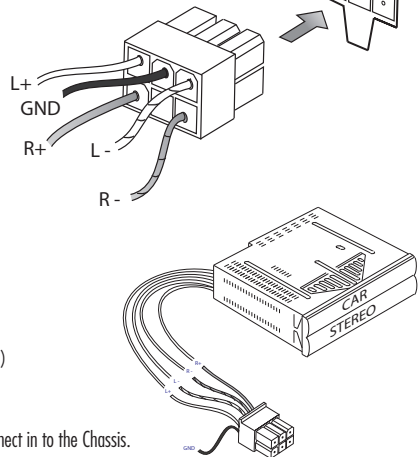
**(FR)** Relier les sorties haut-parleur de votre autoradio aux entrées haut niveau de l'amplificateur

**(IT)** Collegare l'uscita Altoparlanti provenienti dall'autoradio, all'ingresso Alto livello dell'amplificatore.

**(D)** Verbinden Sie den Audioausgang (HI-Level) des Autoradios mit dem HI-Level Eingang des Verstärkers.

**(SP)** Conecte venir hecho salir los altavoces de la radio de coche, adentro con la entrada del alto nivel del amplificador

### 2 High Level Input



**(Eng)** Adjust the gain control, according to the Audio level output.

**(FR)** Ajuster le niveau d'entrée "Gain" de l'amplificateur.

**(IT)** Regolare il controllo di guadagno, in funzione del segnale Audio in uscita.

**(D)** Passen Sie mit dem Gainregler die Eing.empfindlichkeit an.

**(SP)** Ajuste el control del aumento, según la salida llana audio.

### 3 Gain Control

